

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 January 2004 (15.01.2004)

PCT

(10) International Publication Number
WO 2004/005923 A1

(51) International Patent Classification⁷: **G01N 33/53**,
33/566, 33/574, C12Q 1/02

Pacifica, CA 94044 (US). LICKTEIG, Kim [US/US];
1921 Grove Street, San Francisco, CA 94117 (US).

(21) International Application Number:
PCT/US2003/021382

(74) Agents: SHAYESTEH, Laleh et al.; Exelixis, Inc., P.
O. Box 511, 170 Harbor Way, South San Francisco, CA
94083-0511 (US).

(22) International Filing Date: 9 July 2003 (09.07.2003)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MY, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/394,992 10 July 2002 (10.07.2002) US
60/410,988 16 September 2002 (16.09.2002) US

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): EX-
ELIXIS, INC. [US/US]; P.O. Box 511, 170 Harbor Way,
South San Francisco, CA 94083-0511 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): COSTA, Michael
[US/US]; 18 Hazelwood Avenue, San Francisco, CA 94112
(US). MAXWELL, Mark, E. [US/US]; 524 30th Avenue,
#105, San Francisco, CA 94121 (US). LACKNER, Mark,
R. [US/US]; 143 Mendocino Street, Brisbane, CA 94005
(US). HUNG, Tak [CN/US]; 1072 Gull Avenue, Foster
City, CA 94404 (US). O'BRIEN, Carol, L. [US/US];
4939 Vannoy Avenue, Castro Valley, CA 94546 (US).
HEUER, Timothy, S. [US/US]; 581A Paloma Avenue,

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*



WO 2004/005923 A1

(54) Title: RABS AS MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE

(57) Abstract: Human RAB genes are identified as modulators of the p53 pathway, and thus are therapeutic targets for disorders associated with defective p53 function. Methods for identifying modulators of p53, comprising screening for agents that modulate the activity of RAB are provided.